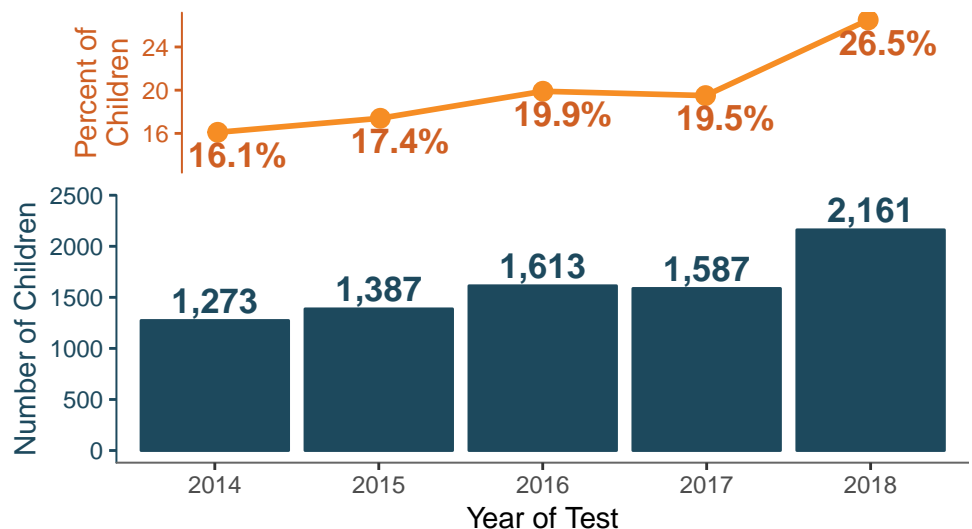


# 2018 LEAD EXPOSURE DATA BRIEF FOR THE SOUTH CENTRAL REGION

Lead poisoning is entirely preventable. However, nearly 1 million children living in the United States have blood levels high enough to impair their ability to think, learn, and concentrate.

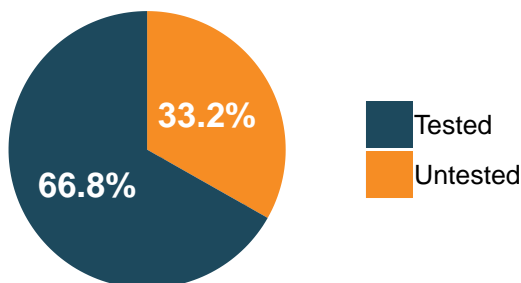
In 2018, 11 children (0 – 72 months old) in the South Central Region were identified with elevated blood lead levels of 5 ug/dL or higher.

**Annual Number (and Percent) of Children, 0 to 72 Months Old, Tested for Blood Lead in the South Central Region 2014 – 2018**



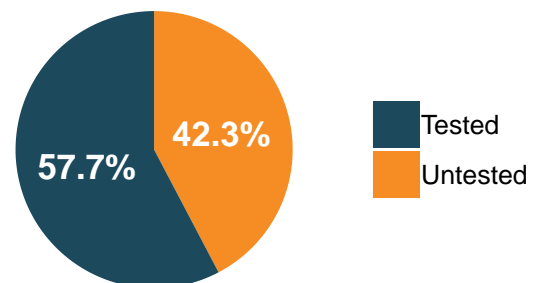
## Percent of Children Tested per New Hampshire Screening and Management Guidelines

**Percent of One-Year-Old Children Tested for Blood Lead**



In 2018, 66.8% of one year-old (12–23 month-old) children residing in the South Central Region were tested for lead in their blood (881 of an estimated 1,319 children).

**Percent of Two-Year-Old Children Tested for Blood Lead**



In 2018, 57.7% of two year-old (24–35 month-old) children residing in the South Central Region were tested for lead in their blood (772 of an estimated 1,338 children).

**In 2018, New Hampshire passed a state law requiring providers to conduct blood lead level tests for all one and two year-old children.**

# Childhood Lead Exposure by Town, 2018

| TOWN          | AGE GROUP<br>(IN MONTHS) | POPULATION<br>DPHS ESTIMATE<br>2018 | NUMBER<br>TESTED<br>2018 | PERCENT<br>TESTED (%)<br>2018 | NUMBER WITH<br>EBLL 5+ ug/dL<br>2018 ONLY | NUMBER WITH<br>EBLL 5+ ug/dL<br>2014–2018 | NUMBER WITH<br>EBLL 10+ ug/dL<br>VENOUS TESTS<br>2014–2018 |
|---------------|--------------------------|-------------------------------------|--------------------------|-------------------------------|---|---|--|
| ATKINSON      | <b>0 to 72</b>           | <b>292</b>                          | <b>107</b>               | <b>37</b>                     | <b>1 – 4</b>                              | <b>1 – 4</b>                              | <b>0</b>   |
|               | 12 to 23                 | 46                                  | 39                       | 85                            | 1 – 4                                     | 1 – 4                                     | 0  |
|               | 24 to 35                 | 47                                  | 36                       | 77                            | 1 – 4                                     | 1 – 4                                     | 0  |
| CHESTER       | <b>0 to 72</b>           | <b>250</b>                          | <b>93</b>                | <b>37</b>                     | <b>1 – 4</b>                              | <b>1 – 4</b>                              | <b>0</b>   |
|               | 12 to 23                 | 37                                  | 35                       | 95                            | 1 – 4                                     | 1 – 4                                     | 0  |
|               | 24 to 35                 | 38                                  | 36                       | 95                            | 0   | 0   | 0  |
| DANVILLE      | <b>0 to 72</b>           | <b>234</b>                          | <b>69</b>                | <b>30</b>                     | <b>1 – 4</b>                              | <b>5</b>                                  | <b>0</b>   |
|               | 12 to 23                 | 37                                  | 32                       | 86                            | 1 – 4                                     | 1 – 4                                     | 0  |
|               | 24 to 35                 | 37                                  | 29                       | 78                            | 0   | 1 – 4                                     | 0  |
| DERRY         | <b>0 to 72</b>           | <b>2093</b>                         | <b>534</b>               | <b>26</b>                     | <b>1 – 4</b>                              | <b>27</b>                                 | <b>5</b>   |
|               | 12 to 23                 | 350                                 | 249                      | 71                            | 1 – 4                                     | 11  | 1 – 4  |
|               | 24 to 35                 | 354                                 | 184                      | 52                            | 1 – 4                                     | 7   | 1 – 4  |
| HAMPSTEAD     | <b>0 to 72</b>           | <b>426</b>                          | <b>119</b>               | <b>28</b>                     | <b>0</b>                                  | <b>8</b>                                  | <b>0</b>   |
|               | 12 to 23                 | 68                                  | 42                       | 62                            | 0   | 1 – 4                                     | 0  |
|               | 24 to 35                 | 69                                  | 48                       | 70                            | 0   | 1 – 4                                     | 0  |
| LONDONDERRY   | <b>0 to 72</b>           | <b>1440</b>                         | <b>360</b>               | <b>25</b>                     | <b>0</b>                                  | <b>7</b>                                  | <b>0</b>   |
|               | 12 to 23                 | 224                                 | 185                      | 83                            | 0   | 1 – 4                                     | 0  |
|               | 24 to 35                 | 228                                 | 123                      | 54                            | 0   | 1 – 4                                     | 0  |
| PLAISTOW      | <b>0 to 72</b>           | <b>437</b>                          | <b>146</b>               | <b>33</b>                     | <b>1 – 4</b>                              | <b>7</b>                                  | <b>0</b>   |
|               | 12 to 23                 | 73                                  | 46                       | 63                            | 0   | 0   | 0  |
|               | 24 to 35                 | 74                                  | 64                       | 86                            | 0   | 1 – 4                                     | 0  |
| SALEM         | <b>0 to 72</b>           | <b>1516</b>                         | <b>418</b>               | <b>28</b>                     | <b>1 – 4</b>                              | <b>9</b>                                  | <b>1 – 4</b>   |
|               | 12 to 23                 | 249                                 | 133                      | 53                            | 0   | 1 – 4                                     | 0  |
|               | 24 to 35                 | 253                                 | 123                      | 49                            | 1 – 4                                     | 5   | 0  |
| SANDOWN       | <b>0 to 72</b>           | <b>376</b>                          | <b>105</b>               | <b>28</b>                     | <b>0</b>                                  | <b>1 – 4</b>                              | <b>0</b>   |
|               | 12 to 23                 | 61                                  | 37                       | 61                            | 0   | 1 – 4                                     | 0  |
|               | 24 to 35                 | 62                                  | 44                       | 71                            | 0   | 1 – 4                                     | 0  |
| WINDHAM       | <b>0 to 72</b>           | <b>1080</b>                         | <b>210</b>               | <b>19</b>                     | <b>0</b>                                  | <b>0</b>                                  | <b>0</b>   |
|               | 12 to 23                 | 174                                 | 83                       | 48                            | 0   | 0   | 0  |
|               | 24 to 35                 | 176                                 | 85                       | 48                            | 0   | 0   | 0  |
| SOUTH CENTRAL | <b>0 to 72</b>           | <b>8144</b>                         | <b>2161</b>              | <b>26</b>                     | <b>11</b>                                 | <b>74</b>                                 | <b>6</b>   |
|               | 12 to 23                 | 1319                                | 881                      | 67                            | 1 – 4                                     | 29  | 1 – 4  |
|               | 24 to 35                 | 1338                                | 772                      | 58                            | 1 – 4                                     | 23  | 1 – 4  |

Childhood blood lead test data is from the NH Healthy Homes Childhood Lead Poisoning Prevention Program. Elevated blood lead levels (EBLL) 5+ ug/dL is defined as a venous or capillary blood test with a result of 5 micrograms per deciliter (ug/dL) or higher. Exact numbers or percents cannot be reported when there are 1–4 cases due to suppression guidelines to protect privacy.

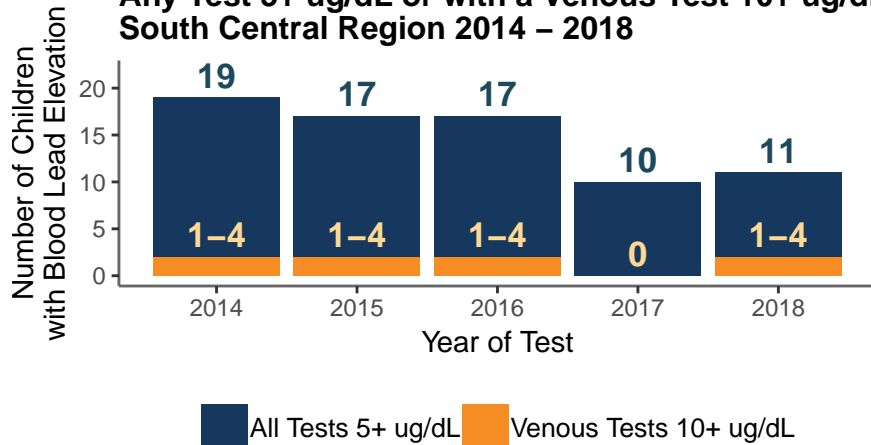
# Childhood Lead Risk Factors by Town

| TOWN          | POPULATION<br>UNDER 6 YO<br>PERCENT (%) | HOUSING UNITS<br>BUILT PRE-1950<br>PERCENT (%) | HOUSEHOLDS<br>MOVED IN<br>LAST YEAR<br>PERCENT (%) | RENTED HOUSING<br>UNITS W/ CHILDREN<br>UNDER 6 YO<br>PERCENT (%) | UNDER 6 YO<br>LIVING BELOW<br>FED. POVERTY LEVEL<br>PERCENT (%) | UNDER 6 YO IN<br>WITH NO HEALTH<br>INSURANCE<br>PERCENT (%) |
|---------------|---|--|--|--|---|---|
| ATKINSON      | 3.9                                     | 8  | 6.9  | 0  | 0   | 0   |
| CHESTER       | 7.7                                     | 16   | 4.8  | 0  | 0   | 0   |
| DANVILLE      | 5                                       | 8  | 9.5  | 43   | 24.7  | 16.1  |
| DERRY         | 5.5                                     | 15   | 8.1  | 42   | 9.5   | 3.8   |
| HAMPSTEAD     | 5.8                                     | 14   | 12.9   | 34   | 26.2  | 15.1  |
| LONDONDERRY   | 5.7                                     | 5  | 7.1  | 17   | 2.8   | 2.2   |
| PLAISTOW      | 3.7                                     | 9  | 7  | 8  | 0   | 0   |
| SALEM         | 5.2                                     | 10   | 8.4  | 38   | 9.8   | 1   |
| SANDOWN       | 7                                       | 5  | 4.4  | 15   | 4.1   | 0   |
| WINDHAM       | 6.1                                     | 8  | 8  | 12   | 4.1   | 1.7   |
| SOUTH CENTRAL | 5.5                                     | 10   | 8  | 26   | 7.8   | 3.1   |

Risk factor data is from the American Community Survey (ACS), 5-Year Estimate Data (2013–2017). Percent of renters with children under 6 yo was calculated from housing units with known occupancy status and known age of occupants. Under 6 yo living below federal poverty level was calculated from the number of children in households with income less than the federal poverty level for whom poverty status was determined. Note, percentages for smaller towns may have a large error.

# Childhood Lead Exposure

**Annual Number of Children 0 to 72 Months Old with Any Test 5+ ug/dL or with a Venous Test 10+ ug/dL South Central Region 2014 – 2018**



It only takes a speck of lead dust the size of a grain of salt to poison a child

**Number of Children 0 to 72 Months Old with Elevated Blood Lead Levels 5+ ug/dL by Town (or Census Tract) in the South Central Region, 2014–2018**

